

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/563, S36
Source: PCT
Date Processed by STIC: 1/13/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/563,536

TIME: 09:42:53

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\01132006\J563536.raw

```

5 <110> APPLICANT: WIDMANN, Christian
6     YANG, Jiang-Yang
7     MICHOD, David
11 <120> TITLE OF INVENTION: RasGAP derived peptide for selectively killing cancer cells
15 <130> FILE REFERENCE: KZI-004US
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/563,536
C--> 18 <141> CURRENT FILING DATE: 2005-12-28
18 <150> PRIOR APPLICATION NUMBER: PCT/IB2004/002165
19 <151> PRIOR FILING DATE: 2004-06-29
21 <150> PRIOR APPLICATION NUMBER: US 60/483,691
23 <151> PRIOR FILING DATE: 2003-06-30
27 <160> NUMBER OF SEQ ID NOS: 17
31 <170> SOFTWARE: PatentIn version 3.1
35 <210> SEQ ID NO: 1
37 <211> LENGTH: 249
39 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
45 <400> SEQUENCE: 1
46 gaagatagaa ggcgtgtacg agctatttcta ccttacacaa aagtaccaga cactgatgaa      60
48 ataagtttct taaaaggaga tatgttcatt gttcataatg aattagaaga tggatggatg      120
50 tgggttacaa atttaagaac agatgaacaa ggccttattg ttgaagacct agtagaagag      180
52 gtgggccggg aagaagatcc acatgaagga aaaatatggt tccatgggaa gatttccaaa      240
54 caggaaagct                                     249
57 <210> SEQ ID NO: 2
59 <211> LENGTH: 204
61 <212> TYPE: DNA
63 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 2
68 gtacgagcta ttctacctta cacaaaagta ccagacactg atgaaataag tttcttaaaa      60
70 ggagatatgt tcattgttca taatgaatta gaagatggat ggatgtgggt tacaaattta      120
72 agaacagatg aacaaggcct tattgttgaa gacctagtag aagaggtggg ccggaagaa      180
74 gatccacatg aaggaaaaat atgg                                     204
77 <210> SEQ ID NO: 3
79 <211> LENGTH: 174
81 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 3
88 gtacgagcta ttctacctta cacaaaagta ccagacactg atgaaataag tttcttaaaa      60
90 ggagatatgt tcattgttca taatgaatta gaagatggat ggatgtgggt tacaaattta      120
92 agaacagatg aacaaggcct tattgttgaa gacctagtag aagaggtggg ccgg                                     174
95 <210> SEQ ID NO: 4
97 <211> LENGTH: 30
99 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/563,536

TIME: 09:42:53

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\01132006\J563536.raw

```

101 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 4
106 tggatgtggg ttacaaattt aagaacagat
109 <210> SEQ ID NO: 5
111 <211> LENGTH: 83
113 <212> TYPE: PRT
115 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 5
121 Glu Asp Arg Arg Arg Val Arg Ala Ile Leu Pro Tyr Thr Lys Val Pro
122 1 5 10 15
125 Asp Thr Asp Glu Ile Ser Phe Leu Lys Gly Asp Met Phe Ile Val His
126 20 25 30
129 Asn Glu Leu Glu Asp Gly Trp Met Trp Val Thr Asn Leu Arg Thr Asp
130 35 40 45
133 Glu Gln Gly Leu Ile Val Glu Asp Leu Val Glu Glu Val Gly Arg Glu
134 50 55 60
137 Glu Asp Pro His Glu Gly Lys Ile Trp Phe His Gly Lys Ile Ser Lys
138 65 70 75 80
141 Gln Glu Ala
145 <210> SEQ ID NO: 6
147 <211> LENGTH: 69
149 <212> TYPE: PRT
151 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 6
157 Arg Val Arg Ala Ile Leu Pro Tyr Thr Lys Val Pro Asp Thr Asp Glu
158 1 5 10 15
161 Ile Ser Phe Leu Lys Gly Asp Met Phe Ile Val His Asn Glu Leu Glu
162 20 25 30
165 Asp Gly Trp Met Trp Val Thr Asn Leu Arg Thr Asp Glu Gln Gly Leu
166 35 40 45
169 Ile Val Glu Asp Leu Val Glu Glu Val Gly Arg Glu Glu Asp Pro His
170 50 55 60
173 Glu Gly Lys Ile Trp
174 65
177 <210> SEQ ID NO: 7
179 <211> LENGTH: 59
181 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 7
189 Arg Val Arg Ala Ile Leu Pro Tyr Thr Lys Val Pro Asp Thr Asp Glu
190 1 5 10 15
193 Ile Ser Phe Leu Lys Gly Asp Met Phe Ile Val His Asn Glu Leu Glu
194 20 25 30
197 Asp Gly Trp Met Trp Val Thr Asn Leu Arg Thr Asp Glu Gln Gly Leu
198 35 40 45
201 Ile Val Glu Asp Leu Val Glu Glu Val Gly Arg
202 50 55
205 <210> SEQ ID NO: 8
207 <211> LENGTH: 10

```

RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/563,536

TIME: 09:42:53

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\01132006\J563536.raw

```

209 <212> TYPE: PRT
211 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 8
217 Trp Met Trp Val Thr Asn Leu Arg Thr Asp
218 1          5          10
221 <210> SEQ ID NO: 9
223 <211> LENGTH: 10
225 <212> TYPE: PRT
227 <213> ORGANISM: Bos taurus
231 <400> SEQUENCE: 9
233 Trp Met Trp Val Thr Asn Leu Arg Thr Asp
234 1          5          10
237 <210> SEQ ID NO: 10
239 <211> LENGTH: 10
241 <212> TYPE: PRT
243 <213> ORGANISM: Mus musculus
247 <400> SEQUENCE: 10
249 Trp Met Trp Val Thr Asn Leu Arg Thr Asp
250 1          5          10
253 <210> SEQ ID NO: 11
255 <211> LENGTH: 10
257 <212> TYPE: PRT
259 <213> ORGANISM: Rattus norvegicus
263 <400> SEQUENCE: 11
265 Trp Met Trp Val Thr Asn Leu Arg Thr Asp
266 1          5          10
269 <210> SEQ ID NO: 12
271 <211> LENGTH: 10
273 <212> TYPE: PRT
275 <213> ORGANISM: Anopheles albimanus
279 <400> SEQUENCE: 12
281 Trp Leu Trp Val Thr Ala His Arg Thr Gly
282 1          5          10
285 <210> SEQ ID NO: 13
287 <211> LENGTH: 10
289 <212> TYPE: PRT
291 <213> ORGANISM: Drosophila melanogaster
295 <400> SEQUENCE: 13
297 Trp Leu Trp Val Thr Ala His Arg Thr Gly
298 1          5          10
301 <210> SEQ ID NO: 14
303 <211> LENGTH: 10
305 <212> TYPE: PRT
307 <213> ORGANISM: Homo sapiens
311 <220> FEATURE:
313 <221> NAME/KEY: MISC_FEATURE
315 <222> LOCATION: (2)..(2)
317 <223> OTHER INFORMATION: Xaa corresponds to an amino acid residue that can be cahnged
by con
318      servative or non-conservative amino-acid substitution.

```

RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/563,536

TIME: 09:42:53

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\01132006\J563536.raw

```

322 <220> FEATURE:
324 <221> NAME/KEY: MISC_FEATURE
326 <222> LOCATION: (6)..(7)
328 <223> OTHER INFORMATION: Xaa correspond to amino acid residues that can be changed by
conser
329         vative or non-conservative amino-acid substitutions.
333 <220> FEATURE:
335 <221> NAME/KEY: MISC_FEATURE
337 <222> LOCATION: (10)..(10)
339 <223> OTHER INFORMATION: Xaa corresponds to an amino acid residue that can be changed
by con
340         servative or non-conservative amino-acid substitution.
343 <220> FEATURE:
345 <221> NAME/KEY: MISC_FEATURE
347 <222> LOCATION: (10)..(10)
349 <223> OTHER INFORMATION: Xaa corresponds to an amino acid residue that can be changed
by con
350         servative or non-conservative amino-acid substitution.
354 <400> SEQUENCE: 14
W--> 356 Trp Xaa Trp Val Thr Xaa Xaa Arg Thr Xaa
357 1             5             10
359 <210> SEQ ID NO: 15
360 <211> LENGTH: 10
361 <212> TYPE: PRT
362 <213> ORGANISM: Artificial Sequence
364 <220> FEATURE:
365 <223> OTHER INFORMATION: Synthetic Construct
367 <400> SEQUENCE: 15
368 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
369 1             5             10
372 <210> SEQ ID NO: 16
373 <211> LENGTH: 22
374 <212> TYPE: PRT
375 <213> ORGANISM: Artificial Sequence
377 <220> FEATURE:
378 <223> OTHER INFORMATION: Synthetic Construct
380 <400> SEQUENCE: 16
381 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Trp Met Trp Val
382 1             5             10             15
383 Thr Asn Leu Arg Thr Asp
384             20
387 <210> SEQ ID NO: 17
388 <211> LENGTH: 12
389 <212> TYPE: PRT
390 <213> ORGANISM: Artificial Sequence
392 <220> FEATURE:
393 <223> OTHER INFORMATION: Synthetic Construct
395 <400> SEQUENCE: 17
396 Met Gly Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser
397 1             5             10

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/563,536

DATE: 01/13/2006
TIME: 09:42:54

Input Set : A:\SEQLIST.txt
Output Set: N:\CRF4\01132006\J563536.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; Xaa Pos. 2,6,7,10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/563,536

DATE: 01/13/2006

TIME: 09:42:54

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\01132006\J563536.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0